IRON ROOFING WORKS, SOUTHWARK.—JOHN H. PORTER, manufacturer of Iron Roofs and Buildings, Iron Hurdles, and other fences, and iron work generally. Lists of prices and estimates furnished upon application.—Offices, 8, Adelaide-place, London-bridge, City.

NAILS and IRONMONGERY from BIRMINGHAM.—To BUILDERS, ARCHITECTS, &c.—Nails, Locks, and every description of Builders' Ironmongery, of the best quality supplied at the lowest Birmingham prices, by FREDERICK BUTTS, Patent Cut Nail Manufacturer and General Factor, Edmund-street, Birmingham. Lists of prices forwarded upon application.

IRON FOUNDRY, 9, Brick-lane, Oldstreet, St. Luke's.—J. J. JONES having made great additions to his STOCK of PATTERNS, begs to inform the Trade, that he can now supply them with Plain and Ornamental Iron Palisades, Gardens, Balconies, Gates, Iron Coping, Balconies, Window Guards, Verandahs, Ornamental Staircases, Panels, Iron Hurdles, Tomb Enclosures, Trellis Panelling, Lamp and other Brackets, Cast Levers, Newel Bars, Water Closet Work, Area Gratings, Fly and other Wheels, Wheel Plates, &c.

BAKER'S OVEN WORK, Forge Backs and Troughs, Rain Water Pipes and Gutters, Sash Weights, Furnace Bars, Stoves, Ranges, &c., always in stock.

IRON FOUNDRY,
104, DRURY-LANE and CHARLES-STREET, DRURY-LANE
JOSEPH GLOVER,

Submits the attention of the Trade to his extensive Stock of PATTERNS for CASTINGS of EVERY DESCRIPTION, consisting often sizes for every purpose, either structural or ornamental.

Wheel Piston and Steam Engine Patterns; Range Stove and Hot Plate Metal.

A stock of Rain Water Pipes, Plain and O G Guttering, Air Bricks, Sash Weights, &c. &c.

A very superior description of Spot Door, particularly suitable for internal work, being perfectly secure, and not unsightly.

ESTIMATES given for IRON ROOFING and every description of Iron-work, complete to specification, and the work executed with every attention to quality and dispatch.

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LAP WELDED IRON TUBES.—W. H. RICHARDSON, Jun., and Co., MANUFACTURERS of every description of WROUGHT IRON TUBES for Locomotive and Marine Boilers, Gas, Steam, and other purposes.
PATENT TUBE WORKS, DARLASTON, STAFFORDSHIRE.

GALVANIZED IRON FOR ROOFING, &c.—The Galvanized Iron Company beg to direct the attention of architects, surveyors, builders, and others, to their Patent Galvanized Iron, which is peculiarly adapted for ROOFING and BUILDING PURPOSES, especially for Tropical climates, being cheaper and more durable than zinc, lead, tin, or any other material, calculating the weight and strength. This fire-proof material has been used for roofing the new Houses of Parliament, shipbuilding and timber sheds in her Majesty's dock yards of Deptford, Woolwich, Chatham, and Portsmouth; and at many of the principal Railway stations, gas works, &c. &c. This material is also admirably adapted for the construction of conservatories, fire proof buildings, chain and wire rope bridges, corrugated doors, shutters, &c. &c. Specimens may be seen, and every information obtained at the Offices of the Company, No. 3, Mansion House Place, City—London Wire at Mould, Poplar, Middlesex; Bristol-street, Birmingham; Osborne Hall, near Dudley.

TO BUILDERS and CARPENTERS.—Elliptic stoves, double backs, 3d. per inch. Registers, 6½d. 7d., 8d. per inch.

Cottage Ranges, with Ovens and Boilers, 2 ft. 3 in., 4l.; 2 ft. 6 in. 4l. 10s.; 3 ft. 0 in., 6l.

Self-acting Ranges, with Circular Oven and Back Boiler, best Wrought Bars and Bright Plates.

2 ft. 4l. 2s.	2 ft. 6, 4l. 12s. 6d.	3 ft. 4l.

Best Patent Cut Clasp.

6½d.	8d.	7d.	10d.	1s. 2d.	1s. 8d. per Lath.
8d.	9d.	8d.	10d.	2s.	2s. 6d.

Best Sheet Floor Brads 12s. per cwt.
Best Town Glue 28s. Do. Scotch, 32s. per cwt.

Best Patent Sash Line.

4s. 6d.	6s.	8s. 6d.	7s. 6d.	10s.	12s. per gross.
3	3	3	4	5	6

At F. R. WILLIAMSON'S IRONMONGERY and STOVE WAREHOUSE, 25, Chiswell-street, Finsbury square.

Lists of Prices had on application at the Warehouse, or by letter pre-paid, inclosing postage stamp.—Warehouse closes at 7 o'clock.

TO ARCHITECTS, BUILDERS, &c.

REDUCED LIST of PRICES.—R. HENLY and Co., WHOLESALE IRONMONGERS, and Manufacturers of KITCHER-RANGES, STOVES, &c., 188, Blackfriars-road, and 137, Union-street, Borough.

Strong self-acting Kitchen Ranges, with Back Boiler and Oven and Wrought Bars:—

2 ft. £3	2 ft. 3 in. £3. 5s.	2 ft. 6 in. £3. 9s.	2 ft. 9 in. £4	3 ft. £4. 10s.

Henly's Patent Improved, with back Boiler and Wrought Iron Oven:—

2 ft. £3	2 ft. 3 in. £3. 5s.	2 ft. 6 in. £3. 9s.	2 ft. 9 in. £4	3 ft. £4. 5s.	3 ft. £5.

Best Register Stoves, at 5d., 6d., and 9d. per inch
Do Elliptic do., at 3½d., and 5d. do.

Manufacturer of WOLFASTONS PATENT REGISTER STOVES, a certain cure for SMOKY CHIMNEYS, and effecting a great saving in fuel. To be seen in use daily.

Orders from the Country, accompanied with a remittance or reference, will meet with prompt attention.

OLD-ESTABLISHED WHOLESALE IRONMONGERY WAREHOUSE, Kitchen range, and Stove-grate Manufactory 18, Cross-street, Walworth.

JOHN GRICE most respectfully solicits the attention of Architects, Builders, and Carpenters, to his stock of Black and Bright Stoves, Kitchen Ranges, &c., &c.

Black Registers, from 6d. per in. and upwards.
Bright ditto with Black and Bright Bars, 8 in. and upwards.
Self-acting Kitchen Ranges, with Oven and Back Boiler, Wrought Bars, Fittings Bright:—

2 ft. M. 12s.	2 ft. 6 in. M. 7s.	3 ft. M. 15s.

Elliptic Stoves, 3d. per in.

All articles made on the premises and warranted, and delivered free of expense within five miles of London. Bell-hanging in superior style, hung in secret, 2s. per pull.

TO BUILDERS, CARPENTERS, &c.—The undermentioned are the PRESENT PRICES of IRON MONGERY, at YOUNG'S, 194, Oxford-street. Every other article equally low. Orders executed upon receipt of remittance or a respectable London reference.

	2	3	4 Inches
Cast Butts	11s.	16s.	24s. per gross.
Cast	6d.	10d.	1s. per
Clasp	6d.	8d.	1s. 4d. 1s. 10d. / dozen.

	Nos. 2	4	6
Patent Line	3s. 6d.	7s. 9d.	9s. 10d. 12s. per gross.
	2	3½	4 Inches.
Rain Pipe	1s. 1d.	1s. 3d.	1s. 5d. per yard.

BURBIDGE and HEALY, 130, FLEET-STREET, LONDON, beg respectfully to inform the Building Public that they fit up COOKING ARRANGEMENTS for large Mansions, with patent appliances on scientific principles, which ensure greater economy and efficiency than hitherto attained. Also HOT WATER APPARATUS, upon improved and scientific principles, which they recommend for its peculiar safety for the Warming of Mansions, &c.

They fit up Laundries with Hot Water Apparatus for Drying in a cleanly, expeditious, and safe manner. They also fit up BATHS with elegant arrangements, with every modern scientific improvement. Also Apparatus for the plentiful supply of Hot Water for Baths and general use of Mansions and large establishments.

PIERCE'S ECONOMICAL RADIATING STOVE GRATES.—Families furnishing are solicited to examine the large and extensive assortment of Drawing room and other GRATES, recently completed from the most approved designs in the Louis Quatorze, Elizabethan, Gothic, and other styles, with FENDERS AND FIRE-IRONS en suite, always on show at the premises here.

These Grates combine the decorative and useful, blending economy with comfort, and are guaranteed as a PERFECT CURE FOR SMOKY CHIMNEYS.

In BED-ROOMS and NURSERIES they are found invaluable, retaining the heat for many hours after the fire is out.

KITCHENS and LAUNDRIES fitted up in the most complete manner with Ranges, Ovens, Boilers, Hot-plates, Broiling plates, Patent Smoke-jacks, &c., with the latest improvements.

HEATING by HOT-WATER, combining Warmth with Ventilation, on PIERCE'S improved method, adapted for every description of building, and so arranged as to warm the entire of a large mansion from one moderate fire.

PIERCE, 5, JERMYN-STREET, REGENT-STREET.

BLUNDELL'S BUILDERS' SQUARE.

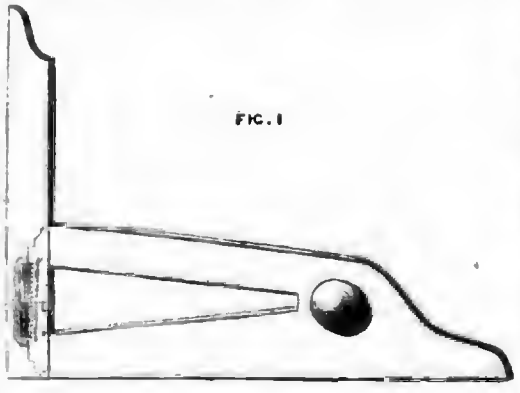

FIG. 1

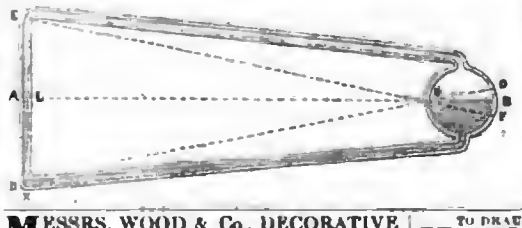

FIG. 2

THIS is an instrument of very simple construction, and intended to supersede the Square and Plumb-bob used by builders and others; and also for the architect and surveyor to ascertain readily and correctly the angles of sloping lines, such as roofs, columns, rafters, &c.

It consists of a spirit-tube of peculiar form set in a frame having two straight sides, the one at right angles to the other, and an index affixed divided into degrees and half degrees.

Fig. 1 represents the square complete, it may be observed that the spirit-tube is imbedded, and no part left visible except a portion at the index.

Fig. 2 is a longitudinal section of the spirit-tube; the side EK is that against which the index is placed; the line AB is parallel to the bottom of the square, and intersects the index at the point marked "level." When this line is horizontal, the spirit in the tube remains at "level;" but when it is at an angle with the horizontal line, equal to AGC, the spirit remains at C, indicating the angle of deviation, the line CD then representing the surface of the spirit.

Consequently, if the lower side of the square be placed on any given surface, the spirit will show immediately, and without any calculation, if it be truly level and if not, what the angle of slope is.

The chief advantages this instrument possesses over the Square and Plumb-bob are, that it is not rendered inaccurate by wind, and can be used in the open air in any weather, or about the works of unfinished buildings, &c., and that it is more accurate and more portable.

The accuracy is not affected by changes of temperature, which can be very easily proved.

Size, 27 in. by 20 in. in mahogany, price 1l. 10s.

SOLD BY
WM. BISHOP AND CO.,
66, CHEAPSIDE, LONDON.
SOLE AGENTS TO THE INVENTOR.

MESSRS. WOOD & Co., DECORATIVE ARTISTS, SIGN and GLASS WRITERS, GRAINERS, HOUSE PAINTERS, and GENERAL CONTRACTORS for REPAIRS, &c. &c.
79, York-road, Lambeth; and 28, Crane-street, Blackfriars-road.

CAST-IRON PIPES, IRON WORK FOR OVENS, &c.

RAIN PIPES, &c.—F. A. TIDDEMAN, Purfleet Wharf, Earl-street, City, near Blackfriars-bridge, keeps a large stock of Rain Pipes, Heads, Shoes, Elbows, &c., half round and 6 in. ogee, Socket Pipes for Water or Gas, Flanch Pipes, Sash Weights, and other Castings; Iron Work for Baker's Ovens of every description, fixed complete, to be had in sets or in parts.—Prices equal to all competition. Contracts taken to any extent.

TO ARCHITECTS, BUILDERS, AND BRICK-MAKERS.

PUMPS of Superior CONSTRUCTION, bored perfectly true by improved machinery, in various plain and ornamental patterns for Conservatories, Squares, Market Places, Roads, Gardens, and for Liquid Manure. BRICK-MAKERS' PUMPS, in Wrought and Cast Iron, HYDRAULIC LIFT PUMPS, and ENGINES for Wells of any depth. SINGLE and DOUBLE PUMPS up to twelve inch bore, kept for Hire.

BENJ. FOWLER, 61, Dorset-street, Fleet-street.

FLEXIBLE INDIA-RUBBER PIPES AND TUBING, For Railway Companies, Brewers, Distillers, Fire Engines, Gas Companies, Gardening and Agricultural purposes, &c.

THE PATENT VULCANIZED INDIA-RUBBER HOSE-PIPES are made to stand hot liquor, and acids without injury—do not become hard or stiff in any temperature (but are always perfectly flexible) and as they require no application of oil or dressing, are particularly well adapted for locomotive engines, railway cranes, fire engines, pumps, gas, beer engines, gardens, and all purposes where a perfectly flexible pipe is required. Made all sizes, from ¼ inch bore upwards, and of any length to order. Vulcanized India rubber garden hose fitted with brass taps, copper branch, and roses complete, ready to be attached to pumps, water butts, or cisterns. Sole manufacturer, JAMES LYNE HANCOCK, Goswell-mews, Goswell-road, London.

J. H. Vulcanized India-rubber washers of all sizes for joints of hot-water and steam pipes, and vulcanized sheet rubber any thickness for all kinds of joints, and other purposes.

DR. ARNOTT'S CHIMNEY VENTILATOR.

F. EDWARDS, Stove Maker to her Majesty, 44, Poland-street, Oxford-street, begs to call the attention of Architects, Builders, Gentlemen and the Public, to the truly invaluable advantages to be derived from the use of Dr. Arnott's Valve for the Ventilation of Rooms of every description.

Prices from 7s. 6d. to 30s. each. A prospectus, containing full particulars, to be had on application.

SMOKY CHIMNEYS—NO CURE, NO PAY.

Twenty-five years' extensive experience in all the branches of a stove manufacturing business, and the cure of smoky chimneys of every description, fully justifies F. E. in stating that he can undertake the cure of smoky chimneys on the above equitable terms.

DR. ARNOTT'S VENTILATING CHIMNEY VALVE.

For carrying off Heated and Impure Air from Bed-rooms, Sitting-rooms, Counting houses, and Apartments generally.

LIST OF PRICES.

	First size, 11 by 4	Second size, 16 by 5
Plain Iron Valve	7 6	12 0
Bronzed and Lacquered	9 0	14 0
Japanned, white with gold lines	12 0	21 0
Brass Front	17 0	30 0

Packing Cases (if required), 1s. each.

Manufactured by HART and SONS, 83, 84, 85, Wych-street, Strand, London.

TO DRAUGHTSMEN AND CIVIL ENGINEERS.

H. MORRELL, BLACK LEAD PENCIL MANUFACTURER, No. 119, Fleet-street, London.

These Pencils are prepared in various degrees of hardness and shades.

HHHH for drawing on wood.	F F light and shading.
HHH for architectural use.	F for general use.
HH for surveying.	B black for shading.
H for sketching.	MB ditto ditto.
HB hard and black for drawing.	BBB ditto ditto.
	BBBB ditto ditto.
M medium.	

Sold by all the principal stationers in town or country.

TO ARCHITECTS, BUILDERS, &c.

GEORGE JENNINGS, Patentee of the SHOP-SHUTTER SHOE and FASTENER, INDIA-RUBBER TUBE COCK, &c. &c., 2, Great Charlotte-street, Blackfriars-road.

IRON SHUTTERS.—The PATENT CONVEX REVOLVING IRON SHUTTERS are cheaper, twelve times stronger work easier, cannot run down, and roll up in one-third less room than any other shutters made. Harcourt Chimney, Patentee.

CLARK and Co., Rule Manufacturers, and of IMPROVED DRAWN ORNAMENTAL METALLIC SASH BARS, ASTRAGALS, MOULDINGS, STALLBOARDS PLATES, &c. &c. in brass, copper, and iron. WROUGHT-IRON GIRDERS, HOT-WATER APPARATUS, and metal works of every description connected with buildings. Steam engines, millwork, and machinery. CLARK and Co., Engineers, 326, Wapping. Models can be seen and every information obtained at 336, Oxford-street, and 6, Mountgain-street, City. Agent for Scotland, Mr. G. BRIGSTOCK, 17, George-street, Edinburgh.

BUNNETT and CORPE, ENGINEERS, Patentees of
REVOLVING IRON AND WOOD SAFETY SHUTTERS,
and of
ORNAMENTAL METALLIC SASH BARS, MOULDINGS, &c. IN BRASS, COPPER, ZINC, &c.
FOR SHOP-FRONTS, SKYLIGHTS, &c.

Shop-fronts completely fitted and glazed in a superior style, either plain or ornamental, also glazed with best plate glass. Strong moulded stallboards hands neatly turned. Metal work and machinery of all kinds in connection with banking-houses, shops, warehouses, &c. &c.

R. and C. challenge competition as to either quality or price.

Designs furnished and estimates given.

IMPROVED PATENT BEECH AND FLOORING CRAMPS FOR BUILDERS.

SOLE LICENCEES FOR MARVIN and MOORE'S PATENT DIAGONAL GRATINGS.

Office of the Patentees, 28, Lombard-street, London; and at the Works, Deptford, Kent.

SNOXELL'S PATENT SAFETY REVOLVING WOOD SHUTTERS, Manufactory, 28, REGENT-STREET and 181, CHANCERY LANE. Patent sealed on the 6th day of February, 1845, for Fourteen Years, for Improvements in Revolving Shutters of WOOD and IRON, consisting of Six Methods of Raising and Lowering Shutters, without Machinery, and Two for Hanging and Breathing the Edges of Wood Lathe with Iron.—The Patentee having fixed up some hundreds, will feel pleased in forwarding the Testimonials of Architects, Principals of large Establishments, and others, having them now in use, which fully guarantee the Patentee in stating they are beyond dispute superior to any other Revolving Shutter for durability, security, and simplicity, without the use of cog-wheel worm and screw gear, or any other complicated machinery employed by other makers.

PATENT METALLIC WIRE CORDAGE.—R. & NEWALL and Co., Patentees, GATESHEAD-UPON-TYNE; 103, FENCHURCH-STREET; and 130, STRAND, LONDON.

Iron Wire Ropes of any length, without splicing; Round Ropes for Inclined Planes and Mines, &c.; Guides for Pits; Signal Cord and Fencing, &c.; Ships' Standing Rigging; Stays for Cranes, Shears, &c.; Cables for Suspension-bridges; Flat Ropes for Pits, Railway Hoists, &c.

Copper and Mixed Metal Cords; Lightning Conductors; Hot-house and Window-sash Line; Picture Hanging, and Clock Cord, &c.

R. & NEWALL and Co.'s PATENT SPRINGS and SCREW LANYARDS, for Ships' Rigging, Shackles, Thimbles, &c. PIT ROPE PULLIES, Window-sash Pullies, Fastenings for Pictures, cord, supplied. Agent—W. T. ALLEN, 139, Strand, and 103, Fenchurch-street, London.